

产品名称: BBS4 Mouse Monoclonal Antibody
产品货号: AMM85953



产品概述 (Summary)

产品名称 (Production Name)	BBS4 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in TBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	BBS4
别名 (Alternative Names)	Bardet-Biedl syndrome 4 protein, BBS4
基因 ID (Gene ID)	585.0
蛋白 ID (SwissProt ID)	Q96RK4. This BBS4 antibody is generated from a mice immunized with a recombinant protein between 1-240 amino acids from human BBS4.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, IHC 1:200-1:400
蛋白分子量 (Molecular Weight)	58.3kDa

研究背景 (Background)

The BBSome complex is thought to function as a coat complex required for sorting of specific membrane proteins to the

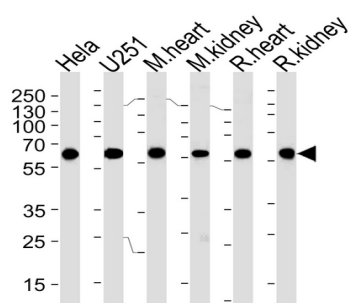
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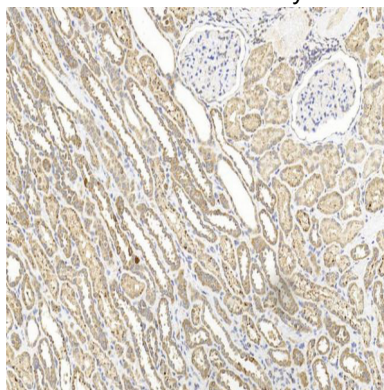
primary cilia. The BBSome complex is required for ciliogenesis but is dispensable for centriolar satellite function. This ciliogenic function is mediated in part by the Rab8 GDP/GTP exchange factor, which localizes to the basal body and contacts the BBSome. Rab8(GTP) enters the primary cilium and promotes extension of the ciliary membrane. Firstly the BBSome associates with the ciliary membrane and binds to RAB3IP/Rabin8, the guanosyl exchange factor (GEF) for Rab8 and then the Rab8-GTP localizes to the cilium and promotes docking and fusion of carrier vesicles to the base of the ciliary membrane. The BBSome complex, together with the LTZL1, controls SMO ciliary trafficking and contributes to the sonic hedgehog (SHH) pathway regulation. Required for proper BBSome complex assembly and its ciliary localization. Required for microtubule anchoring at the centrosome but not for microtubule nucleation. May be required for the dynein-mediated transport of pericentriolar proteins to the centrosome.

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of lysates from HeLa, U251 cell line, mouse heart and kidney, rat heart and kidney tissue (from left to right), using BBS4 Antibody (Cat. #AMM85953). AMM85953 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35µg per lane.



Immunohistochemical analysis of paraffin-embedded Human kidney section using BBS4 (Cat#am2250b). am2250b was diluted at 1:250 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB

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staining.

注意事项 (Note)

For research use only .